

- certain of said sources of material (17) having a main axis (18) are placed in the second volume (22) and other sources (21) are placed in the first volume (25),

- said wall (23) includes des recesses (26), each recess (26) being centred on the main axis (18) of one of the sources of material (17) having a main axis (18),

and in that,

- the chamber contains means (27) for plugging or clearing each of said recesses (26), said means (27) being controlled individually to protect the sources of material (17) having a main evaporation axis (18) unused.

2. (original) An evaporation chamber according to claim 1, characterised in that the means (27) for plugging or clearing said recesses (26) include masks.

3. (currently amended) An evaporation chamber according to claim 1 ~~or 2~~, characterised in that when growing, the flow rate, through the recesses (26) cleared, of the elements forming the materials from the first volume (25) is pumped by the second pumping unit (24).

4. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 3~~ claim 1, characterised in that the wall (23) liable to provide total or partial vacuum tightness contains a plate.

5. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 4~~ claim 1, characterised in that the first pumping unit (13) contains a primary pump and a secondary pump.

6. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 5~~ claim 1, characterised in that the second pumping unit (24) contains a secondary pump.

7. (currently amended) An evaporation chamber according to ~~claims 5 and 6~~ claim 5, characterised in that the first volume (25) and the second volume (22) include at least one liquid nitrogen storage panel (16, 28).
8. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 7~~ claim 1, characterised in that the second volume (22) delineated by the wall (23) has a pressure lower than 10^{-7} Torr.
9. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 8~~ claim 1, characterised in that the evaporation chamber contains means (16) for controlling the pressure in order to measure independently the pressure in the first volume (25) and the second volume (22).
10. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 9~~ claim 1, characterised in that the sources of material (17) having a main axis (18) placed in the second volume (22) include crucible cells heated by Joule effect.
11. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 10~~ claim 1, characterised in that the sources of material (17) having a main axis (18) placed in the second volume (22) include electronic bombarding evaporation guns (20).
12. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 11~~ claim 1, characterised in that the sources (21) placed in the first volume (25) include at least one source de plasma.
13. (currently amended) An evaporation chamber according to ~~any of the claims 1 to 12~~ claim 1, characterised in that the sources (21) placed in the first volume (25) include at least one gas injector.